



IME

The economic standard for use in industrial environments

SICK
Sensor Intelligence.



Technical data overview

Housing	Cylindrical thread design
Thread size	M8 x 1 M12 x 1 M18 x 1 M30 x 1.5
Housing diameter	Ø 8 mm ... Ø 30 mm (depending on type)
Sensing range S_n	1 mm ... 38 mm (depending on type)
Electrical wiring	DC 3-wire DC 2-wire DC 4-wire (depending on type)
Housing material	Brass / Stainless steel V2A (depending on type)
Enclosure rating	IP67 IP65 (depending on type)
Housing	Cylindrical thread design
Thread size	M8 x 1 M12 x 1 M18 x 1 M30 x 1.5
Housing diameter	Ø 8 mm ... Ø 30 mm (depending on type)
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Enclosure rating	IP67 IP65 (depending on type)

Product description

SICK's inductive sensors offer precise detection, less downtime and a long service life. The inductive IME sensors pack high technology into the smallest of spaces. The integrated ASIC chip enables digital adjustment after the end of the manufacturing process. The saving of values in the ASIC ensures highly precise switching points and very high repeatability of values – for any number of production runs. IM sensors are completely encapsulated with hotmelt molding, which greatly increases shock and vibration resistance. The customer benefits from high positioning accuracy in the machine and long-term reliability.

At a glance

- Types: M8 to M30
- Extended sensing ranges: 1.5 mm to 38 mm
- Electrical configuration: DC 3-/4-wire, DC 2-wire
- Enclosure rating: IP 67
- Temperature range: -25 °C to +75 °C
- Nickel-plated brass housing; plastic sensing face

Your benefits

- High machine availability thanks to rugged design
- Highly cost-efficient thanks to low purchase costs
- Wide selection available thanks to extensive standard portfolio
- High positioning accuracy thanks to precise switching behavior

Ordering information

Other models and accessories → www.sick.com/IME

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.	
1.5 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME08-1B5NOZW2S	1040852	
				Connector M8, 3-pin	IME08-1B5NOZT0S	1040850	
			NO	Cable, 3-wire, 2 m	IME08-1B5NSZW2S	1040848	
				Cable, 3-wire, 5 m	IME08-1B5NSZW5S	1043555	
		Connector M8, 3-pin	IME08-1B5NSZT0S	1040846			
		PNP	NC	Cable, 3-wire, 2 m	IME08-1B5POZW2S	1040844	
				Connector M8, 3-pin	IME08-1B5POZT0S	1040842	
			NO	Cable, 3-wire, 2 m	IME08-1B5PSZW2S	1040840	
				Connector M8, 3-pin	IME08-1B5PSZT0S	1040838	
				Male connector M12, 4-pin	IME08-1B5PSVC0S	1051740	
	IME08-1B5PSVC0SS15				1052641		
	IME08-1B5PSVC0SS25	1055198					
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME08-1B5NOZW2K	1040851	
				Connector M8, 3-pin	IME08-1B5NOZT0K	1040849	
			NO	Cable, 3-wire, 0.6 m	IME08-1B5NSZUDKS40	1067788	
				Cable, 3-wire, 2 m	IME08-1B5NSZU2K	1044449	
					IME08-1B5NSZW2K	1040847	
				Connector M8, 3-pin	IME08-1B5NSZT0K	1040845	
			PNP	NC	Cable, 3-wire, 2 m	IME08-1B5POZW2K	1040843
					Connector M8, 3-pin	IME08-1B5POZT0K	1040841
NO				Cable with connector M8, 3-pin, 0.4 m	IME08-1B5PSZUDKS60	1139526	
				Cable, 3-wire, 2 m	IME08-1B5PSZW2K	1040839	
	Cable, 3-wire, 6 m	IME08-1B5PSZUDKS31		1061643			
		IME08-1B5PSZUDKS36		1064498			
Connector M8, 3-pin	IME08-1B5PSZT0K	1040837					
IME08-1B5PSZT0KS44	1091110						

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
1 mm	Short-body	PNP	NO	Cable with Wuerth connector, 3-pin (688003113322), 230 mm	IME08-01BPSZWDKS27	1058685
				Cable with Wuerth connector, 3-pin (688003113322), 450 mm	IME08-01BPSZWDKS28	1058686
				Cable with Tyco male connector, 3-pin, 450 mm	IME08-01BPSZWDKS29	1058687
2 mm	Standard design	NPN	NC	Cable, 3-wire, 10 m	IME08-02BNOZW6S	1044816
				Cable, 3-wire, 2 m	IME08-02BNOZW2S	1040884
				Cable, 3-wire, 5 m	IME08-02BNOZW5S	1044815
				Connector M8, 3-pin	IME08-02BNOZTOS	1040882
		NO	Cable, 3-wire, 2 m	IME08-02BNSZU2S	1046451	
				IME08-02BNSZW2S	1040880	
			Cable, 3-wire, 3 m	IME08-02BNSZW3SS55	1104244	
			Cable, 3-wire, 5 m	IME08-02BNSZW5S	1138730	
			Connector M8, 3-pin	IME08-02BNSZTOS	1040878	
			Cable with AMP male connector, 3-pin, 200 mm	IME08-02BNSZWDSS59	1115033	
			2 mm	Standard design	NPN	NO
PNP	NC	Cable, 3-wire, 2 m				
		Connector M8, 3-pin			IME08-02BPOVT0SS08	1048214
					IME08-02BPOVT0SS18	1053132
		IME08-02BPOZT0S			1040874	
Male connector M12, 4-pin	IME08-02BPOZC0S	1051207				
NO	Cable with connector M8, 4-pin, with knurled nuts, 2 m	IME08-02BPSZR2S			1102562	
	Cable, 3-wire, 2 m	IME08-02BPSZW2S			1040872	
	Cable, 3-wire, 3.1 m	IME08-02BPSZWDSS06			1047608	
	Cable, 3-wire, 5 m	IME08-02BPSZW5S			1043966	

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.				
				Connector M8, 3-pin	IME08-02BPSVT0SS12	1051462				
					IME08-02BPSVT0SS17	1053131				
					IME08-02BPSZT0S	1040870				
				Male connector M12, 4-pin	IME08-02BPSZC0S	1051205				
					Short-body	NPN	NC	Cable, 3-wire, 2 m	IME08-02BNOZW2K	1040883
								Connector M8, 3-pin	IME08-02BNOZT0K	1040881
				NO			Cable, 3-wire, 0.6 m	IME08-02BNSZUDKS39	1067744	
							Cable, 3-wire, 2 m	IME08-02BNSZW2K	1040879	
							Cable, 3-wire, 3 m	IME08-02BNSZU3K	1072466	
							Connector M8, 3-pin	IME08-02BNSZT0K	1040877	
	IME08-02BNSZT0KS09	1048437								
	PNP		NC				Cable, 3-wire, 2 m	IME08-02BPOZW2K	1040875	
				Cable, 3-wire, 3 m	IME08-02BPOZW3K	1084271				
				Cable, 3-wire, 5 m	IME08-02BPOZW5K	1047423				
				Connector M8, 3-pin	IME08-02BPOZT0K	1040873				
	NO			Cable with M12 male connector, 4-pin, 0.5 m	IME08-02BPSZQDKS51	1100011				
				Cable, 3-wire, 2 m	IME08-02BPSZW2K	1040871				
					IME08-02BPSZW2KS68	1114609				
				Cable, 3-wire, 5 m	IME08-02BPSZW5K	1047424				
				Connector M8, 3-pin	IME08-02BPSZT0K	1040869				

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
2.5 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME08-2N5NOZW2S	1040868
					Connector M8, 3-pin	IME08-2N5NOZTOS	1040866
			NO	-	Cable, 3-wire, 2 m	IME08-2N5NSZW2S	1040864
					Connector M8, 3-pin	IME08-2N5NSZTOS	1040862
		PNP	NC	-	Cable, 3-wire, 2 m	IME08-2N5POZW2S	1040860
					Connector M8, 3-pin	IME08-2N5POZTOS	1040858
			NO	-	Cable, 3-wire, 2 m	IME08-2N5PSZW2S	1040856
					Connector M8, 3-pin	IME08-2N5PSZTOS	1040854
	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME08-2N5NOZW2K	1040867
					Connector M8, 3-pin	IME08-2N5NOZTOK	1040865
			NO	-	Cable, 3-wire, 2 m	IME08-2N5NSZW2K	1040863
					Connector M8, 3-pin	IME08-2N5NSZTOK	1040861
		PNP	NC	-	Cable, 3-wire, 2 m	IME08-2N5POZW2K	1040859
					Connector M8, 3-pin	IME08-2N5POZTOK	1040857
			NO	-	Cable, 3-wire, 2 m	IME08-2N5PSZW2K	1040855
					Cable, 3-wire, 5 m	IME08-2N5PSZW5K	1045368
Connector M8, 3-pin			IME08-2N5PSZTOK	1040853			
4 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME08-04NNOZW2S	1040900
					Cable, 3-wire, 3 m	IME08-04NNOZW3S	1111496
4 mm	Standard design	NPN	NC	-	Connector M8, 3-pin	IME08-04NNOZTOS	1040898
					Cable, 3-wire, 2 m	IME08-04NNSZW2S	1040896
		NO	-	Cable, 3-wire, 3 m	IME08-04NNSZW3S	1111495	
				Connector M8, 3-pin	IME08-04NNSZTOS	1040894	

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
		PNP	NC	-	Cable, 3-wire, 2 m	IME08-04NPOZW2S	1040892
					Connector M8, 3-pin	IME08-04NPOVT0SS20	1053134
						IME08-04NPOZT0S	1040890
		Male connector M12, 4-pin	IME08-04NPOZC0S	1051208			
		NO	-		Cable with MOLEX-connector 43020-0409, 0.1 m	IME08-04NPSZW2SS50	1097796
					Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IME08-04NPSZRDS02	1043843

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.						
					Cable, 3-wire, 2 m	IME08-04NPSZW2S	1040888						
					Cable, 3-wire, 6 m	IME08-04NPSZUDSS56	1106485						
					Connector M8, 3-pin	IME08-04NPSVT0SS19	1053133						
						IME08-04NPSZT0S	1040886						
						IME08-04NPSZT0SS58	1109930						
					Male connector M12, 4-pin	IME08-04NPSZC0S	1051209						
					Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME08-04NNOZW2K	1040899		
									Connector M8, 3-pin	IME08-04NNOZT0K	1040897		
									NO	-	Cable, 3-wire, 2 m	IME08-04NNSZW2K	1040895
											Cable, 3-wire, 3 m	IME08-04NNSZW3K	1055977
	Cable, 3-wire, 5 m	IME08-04NNSZW5K	1098179										
	Connector M8, 3-pin	IME08-04NNSZT0K	1040893										
	PNP	NC	-			Cable, 3-wire, 10 m	IME08-04NPOZW6K	1053957					
						Cable, 3-wire, 2 m	IME08-04NPOZW2K	1040891					
						Cable, 3-wire, 5 m	IME08-04NPOZW5K	1053956					
						Connector M8, 3-pin	IME08-04NPOZT0K	1040889					
					NO	-		Cable, 3-wire, 2 m	IME08-04NPSZW2K	1040887			
	Cable, 3-wire, 5 m	IME08-04NPSZW5K	1050046										
	Connector M8, 3-pin	IME08-04NPSZT0K	1040885										
						IME08-04NPSZT0KS07	1047752						
5 mm	Standard design	PNP	NO	-	Connector M8, 3-pin	IME08-05NPSZT0SS01	1042961						

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.		
6 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNOZW2S	1071207		
					Connector M8, 3-pin	IME08-06NNOZT0S	1071211		
					Male connector M12, 4-pin	IME08-06NNOZC0S	1072570		
			NO		Cable, 3-wire, 2 m	IME08-06NNSZW2S	1071206		
					Connector M8, 3-pin	IME08-06NNSZT0S	1071210		
					Male connector M12, 4-pin	IME08-06NNSZC0S	1072569		
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPOZW2S	1071205		
					Connector M8, 3-pin	IME08-06NPOZT0S	1071209		
					Male connector M12, 4-pin	IME08-06NPOZC0S	1071213		
			NO		Cable, 3-wire, 2 m	IME08-06NPSZW2S	1071204		
					Connector M8, 3-pin	IME08-06NPSZT0S	1071208		
					Male connector M12, 4-pin	IME08-06NPSZC0S	1071212		
	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNOZW2K	1071199		
					Connector M8, 3-pin	IME08-06NNOZT0K	1071203		
					NO	Cable, 3-wire, 2 m	IME08-06NNSZW2K	1071198	
			Connector M8, 3-pin			IME08-06NNSZT0K	1071202		
			PNP			NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPOZW2K
					Connector M8, 3-pin			IME08-06NPOZT0K	1071201
NO	Cable, 3-wire, 2 m	IME08-06NPSZW2K		1071195					
	Connector M8, 3-pin	IME08-06NPSZT0K	1071200						

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
3 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNOZW2S	1074045

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.			
					Connector M8, 3-pin	IME08-03BNOZTOS	1074026			
					Male connector M12, 4-pin	IME08-03BNOZCOS	1074033			
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNSZW2S	1074044			
					Connector M8, 3-pin	IME08-03BNSZTOS	1073663			
					Male connector M12, 4-pin	IME08-03BNSZCOS	1074031			
			PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2S	1074043		
						Connector M8, 3-pin	IME08-03BPOZTOS	1073662		
						Male connector M12, 4-pin	IME08-03BPOZCOS	1074030		
			NO	Triple sensing range	Cable with connector M12, 8-pin, with knurled nut, 0.9 m	IME08-03BPSZQDSS70	1128535			
					Cable with connector M12, 8-pin, with knurled nut, 1.5 m	IME08-03BPSZQDSS71	1128538			
		Cable, 3-wire, 2 m			IME08-03BPSZW2S	1074042				
		Connector M8, 3-pin			IME08-03BPSZTOS	1073457				
		Male connector M12, 4-pin			IME08-03BPSZCOS	1074029				
		Short-body			NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNOZW2K	1074035
								Connector M8, 3-pin	IME08-03BNOZTOK	1074041
				NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNSZW2K	1074009		
						Connector M8, 3-pin	IME08-03BNSZTOK	1074040		
				PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2K	1074008	
							Connector M8, 3-pin	IME08-03BPOZTOK	1074038	
				NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPSZW2K	1074007		
Connector M8, 3-pin	IME08-03BPSZTOK					1074037				

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
4 mm	Standard design	NPN	NC	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BNOZW2S	1086324
					Connector M8, 3-pin	IME08-04BNOZT0S	1086328
			NO	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BNSZW2S	1086323
					Connector M8, 3-pin	IME08-04BNSZT0S	1086327
		PNP	NC	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BPOZW2S	1086321
					Connector M8, 3-pin	IME08-04BPOZT0S	1086326
			NO	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BPSZW2S	1079510
					Connector M8, 3-pin	IME08-04BPSZT0S	1086325

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 2 mm

Housing	Output function	Connection type	Type	Part no.
Standard design	NC	Cable, 2-wire, 2 m	IME08-02BDOZY2S	1068250
		Connector M8, 3-pin	IME08-02BDOZT0S	1067108
	NO	Cable, 2-wire, 2 m	IME08-02BDSZY2S	1068251
		Connector M8, 3-pin	IME08-02BDSZT0S	1067109
Short-body	NC	Cable, 2-wire, 2 m	IME08-02BDOZY2K	1109633
	NO	Cable, 2-wire, 2 m	IME08-02BDSZY2K	1070432

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 4 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME08-04NDOZY2S	1068252
	Connector M8, 3-pin	IME08-04NDOZT0S	1067197
NO	Cable, 2-wire, 2 m	IME08-04NDSZY2S	1068253
	Connector M8, 3-pin	IME08-04NDSZT0S	1067177

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
2 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME12-02BNOZW2S	1040746
				Male connector M12, 4-pin	IME12-02BNOZC0S	1040743
			NO	Cable, 3-wire, 2 m	IME12-02BNSZW2S	1040742
				Male connector M12, 4-pin	IME12-02BNSZC0S	1040740
		PNP	NC	Cable, 3-wire, 2 m	IME12-02BPOZW2S	1040738
				Male connector M12, 4-pin	IME12-02BPOZC0S	1040736
			NO	Cable, 3-wire, 10 m	IME12-02BPSZW6S	1052248
				Cable, 3-wire, 2 m	IME12-02BPSZW2S	1040734

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
					IME12-02BPSZW2SS70	1114909
				Cable, 3-wire, 3 m	IME12-02BPSZU3S	1043108
				Cable, 3-wire, 5 m	IME12-02BPSZW5S	1046726
				Cable, 3-wire, 6 m	IME12-02BPSZWDSS04	1043384
				Cable, 3-wire, 8 m	IME12-02BPSZWDSS02	1042861
				Male connector M12, 4-pin	IME12-02BPSZC0S	1040732
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME12-02BNOZW2K	1040745
					IME12-02BNOZW2KS16	1045051
				Male connector M12, 4-pin	IME12-02BNOZC0K	1040744
			NO	Cable, 3-wire, 2 m	IME12-02BNSZW2K	1040741
					IME12-02BNSZW2KS14	1044939
				IME12-02BNSZW2KS15	1045050	
		Male connector M12, 4-pin	IME12-02BNSZC0K	1040739		
		PNP	NC	Cable, 3-wire, 2 m	IME12-02BPOZW2K	1040737
					IME12-02BPOZC0K	1040735
			NO	Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IME12-02BPSZR9K	1090477
					Cable, 3-wire, 10 m	IME12-02BPSZW6K
				Cable, 3-wire, 2 m	IME12-02BPSZW2K	1040733
				Cable, 3-wire, 5 m	IME12-02BPSZW5K	1042724
				Male connector M12, 4-pin	IME12-02BPSZC0K	1040731
3.2 mm	Standard design	PNP	NC	Male connector M12, 4-pin	IME12-3B2POZC0SS28	1056197
4 mm	Standard design	NPN	NC	Cable, 3-wire, 10 m	IME12-04BNOZW6S	1044830
				Cable, 3-wire, 2 m	IME12-04BNOZW2S	1040778
				Cable, 3-wire, 5 m	IME12-04BNOZW5S	1044829

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.		
4 mm	Short-body	NO	Male connector M12, 4-pin	IME12-04BNOZCOS	1040776			
				Cable, 3-wire, 2 m	IME12-04BNSZW2S	1040774		
					IME12-04BNSZW2SS34	1063528		
				Cable, 3-wire, 5 m	IME12-04BNSZW5S	1044612		
				Cable, 3-wire, 6 m	IME12-04BNSZWDSS12	1044599		
				Male connector M12, 4-pin	IME12-04BNSZCOS	1040772		
			PNP	NC	Cable with M12 male connector, 4-pin, 0.6 m	IME12-04BPOZQDSS52	1090475	
					Cable, 3-wire, 2 m	IME12-04BPOZW2S	1040770	
					Cable, 3-wire, 8 m	IME12-04BPOZWDS	1057405	
					Male connector M12, 4-pin	IME12-04BPOZCOS	1040768	
						IME12-04BPOZCOSS01	1042579	
					NO	NC	Cable, 3-wire, 2 m	IME12-04BPSVW2S
		IME12-04BPSZW2S	1040766					
		Cable, 3-wire, 3 m	IME12-04BPSZU3S	1042626				
		Cable, 3-wire, 4 m	IME12-04BPSVWDS	1043110				
		Cable, 3-wire, 5 m	IME12-04BPSZW5S	1043329				
		Cable, 3-wire, 8 m	IME12-04BPSZWDS	1057403				
		Male connector M12, 4-pin	IME12-04BPSZCOS	1040764				
			IME12-04BPSZCOSS71	1115941				
		Short-body	NPN	NC	Cable, 3-wire, 2 m	IME12-04BNOZW2K	1040777	
		4 mm	Short-body	NPN	NC	Male connector M12, 4-pin	IME12-04BNOZCOK	1040775
						NO	Cable, 3-wire, 2.5 m	IME12-04BNSZWDK
					Cable, 3-wire, 2 m		IME12-04BNSZW2K	1040773
					Cable, 3-wire, 4 m		IME12-04BNSVWDK	1044353
	Cable, 3-wire, 5 m				IME12-04BNSZW5K		1052062	
	Male connector M12, 4-pin				IME12-04BNSZCOK	1040771		
				IME12-04BNSZCOKS35	1063529			
PNP	NC			Cable, 3-wire, 2 m	IME12-04BPOZW2K	1040769		
				Connector M8, 3-pin	IME12-04BPOZTOK	1074637		
				Male connector M12, 4-pin	IME12-04BPOZCOK	1040767		

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
			NO	Cable with M12 male connector, 4-pin, 150 mm	IME12-04BPSZQDK	1056892
				Cable, 3-wire, 0.5 m	IME12-04BPSZWDKP02	1049021
				Cable, 3-wire, 10 m	IME12-04BPSZW6K	1060824
					IME12-04BPSZW6KS56	1093752
				Cable, 3-wire, 1 m	IME12-04BPSZUDKS37	1065145
					IME12-04BPSZW1KP03	1049107
				Cable, 3-wire, 2.5 m	IME12-04BPSZWDKS30	1060015
				Cable, 3-wire, 2 m	IME12-04BPSZU2KS67	1114608
					IME12-04BPSZW2K	1040765
				Cable, 3-wire, 3 m	IME12-04BPSZU3K	1042735
				Cable, 3-wire, 5 m	IME12-04BPSZU5KS69	1114610
					IME12-04BPSZW5K	1044448
				Connector M8, 3-pin	IME12-04BPSZT0K	1042973
					IME12-04BPSZT0KP01	1046196
					IME12-04BPSZT0KS08	1044447
					IME12-04BPSZT0KS17	1046007
				Male connector M12, 4-pin	IME12-04BPSVC0K	1065021
					IME12-04BPSZC0K	1040763
					IME12-04BPSZC0KS21	1051971
					IME12-04BPSZC0KS41	1068239

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
10 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNOZW2S	1071241	
					Male connector M12, 4-pin	IME12-10NNOZCOS	1071245	
			NO	Triple sensing range	Cable with M12 male connector, 4-pin, 50 mm	IME12-10NNSZQDS	1099920	
					Cable, 3-wire, 2 m	IME12-10NNSZW2S	1071240	
					Male connector M12, 4-pin	IME12-10NNSZCOS	1071244	
					PNP	NC	Triple sensing range	Cable, 3-wire, 2 m
		Male connector M12, 4-pin	IME12-10NPOZCOS	1071243				
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPSZW2S	1071238		
				Male connector M12, 4-pin	IME12-10NPSZCOS	1071242		
		Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNOZW2K	1071233
						Male connector M12, 4-pin	IME12-10NNOZCOK	1071237
				NO	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNSZW2K	1071236
	Male connector M12, 4-pin					IME12-10NNSZCOK	1071232	
	PNP		NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPOZW2K	1071231	
					Male connector M12, 4-pin	IME12-10NPOZCOK	1071235	
			NO	Triple sensing range	Cable with M12 male connector, 4-pin, 0.3 m	IME12-10NPSZQ9KS72	1122230	
Cable, 3-wire, 2 m					IME12-10NPSZW2K	1071230		
				Male connector M12, 4-pin	IME12-10NPSZCOK	1071234		
4 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME12-04NNOZW2S	1040762	
					Male connector M12, 4-pin	IME12-04NNOZCOS	1040760	
			NO	-	Cable, 3-wire, 2 m	IME12-04NNSZW2S	1040757	

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.			
		PNP	NC	–	Male connector M12, 4-pin	IME12-04NNSZC0S	1040756			
					Cable, 3-wire, 10 m	IME12-04NPOZU6S	1043926			
					Cable, 3-wire, 2 m	IME12-04NPOZW2S	1040754			
					Male connector M12, 4-pin	IME12-04NPOZC0S	1040752			
		NO	–	Cable, 3-wire, 10 m	IME12-04NPSZU6S	1043256				
				Cable, 3-wire, 2 m	IME12-04NPSZW2S	1040750				
				Cable, 3-wire, 5 m	IME12-04NPSZW5S	1043383				
				Cable, 3-wire, 8 m	IME12-04NPSZWDSS03	1042862				
				Male connector M12, 4-pin	IME12-04NPSVC0S	1058759				
					IME12-04NPSZC0S	1040748				
				Short-body	NPN	NC	–	Cable, 3-wire, 2 m	IME12-04NNOZW2K	1040761
								Male connector M12, 4-pin	IME12-04NNOZC0K	1040759
		NO	–			Cable, 3-wire, 2 m	IME12-04NNSZW2K	1040758		
						Cable, 3-wire, 3 m	IME12-04NNSZW3K	1084999		
		PNP	NC	–	Cable, 3-wire, 2 m	IME12-04NPOZW2K	1040753			
					Male connector M12, 4-pin	IME12-04NPOZC0K	1040751			
	Cable, 3-wire, 2 m				IME12-04NPSZU2K	1050977				
					IME12-04NPSZW2K	1040749				
	Cable, 3-wire, 5 m				IME12-04NPSZW5K	1042725				
	Male connector M12, 4-pin				IME12-04NPSVC0KS09	1044005				
	IME12-04NPSZC0K				1040747					
8 mm	Standard design				NPN	NC	–	Cable, 3-wire, 2 m	IME12-08NNOZW2S	1040793
		Male connector M12, 4-pin	IME12-08NNOZC0S	1040826						
		Cable, 3-wire, 2 m	IME12-08NNSZW2S	1040790						
		Male connector M12, 4-pin	IME12-08NNSZC0S	1040788						
	PNP	NC	–	Cable with M12 male	IME12-08NPOZQDSS53	1090476				

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.				
					connector, 4-pin, 0.8 m						
					Cable, 3-wire, 2 m	IME12-08NPOZW2S	1040786				
					Cable, 3-wire, 6 m	IME12-08NPOZW6S	1052158				
					Male connector M12, 4-pin	IME12-08NPOZC0S	1040784				
						NO	-	Cable with MOLEX-connector 43020-0409, 0.1 m	IME12-08NPSZWDSS61	1101193	
								Cable, 3-wire, 2 m	IME12-08NPSZW2S	1040782	
								Cable, 3-wire, 5 m	IME12-08NPSZW5S	1047147	
								Cable with Tyco male connector, 3-pin, 450 mm	IME12-08NPSZWDSS49	1079641	
								Male connector M12, 4-pin	IME12-08NPSZC0S	1040780	
									IME12-08NPSZC0SS57	1093992	
				Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME12-08NNOZW2K	1040792	
			Male connector M12, 4-pin					IME12-08NNOZC0K	1040791		
						NO	-	Cable, 3-wire, 2 m	IME12-08NNSZW2K	1040789	
			Male connector M12, 4-pin					IME12-08NNSZC0K	1040787		
						PNP	NC	-	Cable, 3-wire, 2 m	IME12-08NPOZW2K	1040785
					Cable, 3-wire, 5 m				IME12-08NPOZW5K	1118192	
					Male connector M12, 4-pin				IME12-08NPOZC0K	1040783	
										IME12-08NPOZC0KS64	1109923
						NO	-	Cable, 3-wire, 10 m	IME12-08NPSZW6K	1044861	
			Cable, 3-wire, 2 m		IME12-08NPSZW2K			1040781			
			Male connector M12, 4-pin	IME12-08NPSZC0K	1040779						

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary
- **Connection type:** male connector M12, 4-pin

Sensing range S_n	Housing	Type	Part no.
4 mm	Short-body	IME12-04NPPZCOK	1043660
8 mm	Standard design	IME12-08NPPZCOS	1060464

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire
- **Sensing range S_n :** 4 mm
- **Switching output:** PNP
- **Output function:** Complementary

Housing	Connection type	Type	Part no.
Standard design	Male connector M12, 4-pin	IME12-04BPPZCOS	1060232
Short-body	Cable, 4-wire, 2 m	IME12-04BPPZW2K	1056423
	Cable, 4-wire, 5 m	IME12-04BPPZW5K	1064560
	Male connector M12, 4-pin	IME12-04BPPZCOK	1060546

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire
- **Sensing range S_n :** 6 mm
- **Special features:** triple sensing range

Housing	Switching output	Output function	Connection type	Type	Part no.
Standard design	NPN	NC	Cable, 3-wire, 2 m	IME12-06BNOZW2S	1071225
			Male connector M12, 4-pin	IME12-06BNOZCOS	1071229
		NO	Cable, 3-wire, 2 m	IME12-06BNSZW2S	1071224
			Male connector M12, 4-pin	IME12-06BNSZCOS	1071228
	PNP	NC	Cable, 3-wire, 2 m	IME12-06BPOZW2S	1071223
			Male connector M12, 4-pin	IME12-06BPOZCOS	1071227
		NO	Cable, 3-wire, 2 m	IME12-06BPSZW2S	1071222
			Male connector M12, 4-pin	IME12-06BPSZCOS	1071226

Housing	Switching output	Output function	Connection type	Type	Part no.
Short-body	NPN	NC	Cable, 3-wire, 2 m	IME12-06BNOZW2K	1071217
			Male connector M12, 4-pin	IME12-06BNOZCOK	1071221
		NO	Cable, 3-wire, 2 m	IME12-06BNSZW2K	1071216
			Male connector M12, 4-pin	IME12-06BNSZCOK	1071220
	PNP	NC	Cable, 3-wire, 2 m	IME12-06BPOZW2K	1071215
			Male connector M12, 4-pin	IME12-06BPOZCOK	1071219
		NO	Cable, 3-wire, 2 m	IME12-06BPSZW2K	1071214
			Cable, 3-wire, 3 m	IME12-06BPSZW3K	1092616
			Cable, 3-wire, 5 m	IME12-06BPSZW5K	1088039
			Cable, 3-wire, 7 m	IME12-06BPSZWDK	1095533
	Male connector M12, 4-pin	IME12-06BPSZCOK	1071218		

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
2 mm	Standard design	NO	Cable, 2-wire, 2 m	IME12-02BDSZY2S	1069022
4 mm	Standard design	NC	Cable, 2-wire, 2 m	IME12-04BDOZY2S	1068254
			Male connector M12, 4-pin	IME12-04BDOZC0S	1067200
		NO	Cable with M12 male connector, 4-pin, 0.3 m	IME12-04BDSZQ9S	1068718
			Cable, 2-wire, 2 m	IME12-04BDSZY2S	1068255
	Short-body	NC	Male connector M12, 4-pin	IME12-04BDSZC0S	1067178
			Cable, 2-wire, 2 m	IME12-04BDOZY2K	1109634
NO	Cable, 2-wire, 2 m	IME12-04BDSZY2K	1072274		

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 8 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME12-08NDOZY2S	1068256
	Male connector M12, 4-pin	IME12-08NDOZC0S	1067203
NO	Cable, 2-wire, 2 m	IME12-08NDSZY2S	1068257
	Cable, 2-wire, 3 m	IME12-08NDSZY3S	1093042
	Male connector M12, 4-pin	IME12-08NDSZC0S	1067180

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
5 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME18-05BNOZW2S	1040948
				Cable, 3-wire, 5 m	IME18-05BNOZW5S	1048309
				Male connector M12, 4-pin	IME18-05BNOZC0S	1040946
			NO	Cable, 3-wire, 2 m	IME18-05BNSZW2S	1040944
				Male connector M12, 4-pin	IME18-05BNSZC0S	1040942
				PNP	NC	Cable, 3-wire, 2 m
		Cable, 3-wire, 5 m	IME18-05BPOZW5S			1048308
		Male connector M12, 4-pin	IME18-05BPOZC0S			1040938
		NO	Cable, 3-wire, 10 m	IME18-05BPSZW6S	1044903	
			Cable, 3-wire, 2 m	IME18-05BPSZW2S	1040936	
			Cable, 3-wire, 5 m	IME18-05BPSZW5S	1046725	
			Male connector M12, 4-pin	IME18-05BPSZC0S	1040934	
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME18-05BNOZW2K	1040947
				Male connector M12, 4-pin	IME18-05BNOZC0K	1040945
				NO	Cable, 3-wire, 2 m	IME18-05BNSZW2K
			Cable, 3-wire, 3 m		IME18-05BNSZW3K	1047511
			Male connector M12, 4-pin		IME18-05BNSZC0K	1040941
			PNP	NC	Cable, 3-wire, 2 m	IME18-05BPOZW2K
		Cable, 3-wire, 5 m			IME18-05BPOZW5K	1043474
		Male connector M12, 4-pin			IME18-05BPOZC0K	1040937
NO		Cable, 3-wire, 2 m		IME18-05BPSZW2K	1040935	
		Cable, 3-wire, 5 m		IME18-05BPSZW5K	1042722	
		Male connector M12, 4-pin		IME18-05BPSZC0K	1040933	
8 mm		Standard design	NPN	NC	Cable, 3-wire, 2 m	IME18-08BNOZW2S
8 mm	Standard design	NPN	NC	Male connector M12, 4-pin	IME18-08BNOZC0S	1040978
				NO	Cable with AMP Superseal male connector, socket housing, 3-pin, 5 m	IME18-08BNSZW5SS39
			Cable with Deutsch DT04-3P		IME18-08BNSZU9SS35	1126848

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.	
				male connector, 3-pin, 0.3 m			
				Cable, 3-wire, 2 m	IME18-08BNSZW2S	1040976	
				Cable, 3-wire, 5 m	IME18-08BNSZW5S	1044613	
				Male connector M12, 4-pin	IME18-08BNSZC0S	1040974	
		PNP	NC	Cable, 3-wire, 2 m	IME18-08BPOZW2S	1040972	
					Male connector M12, 4-pin	IME18-08BPOZC0S	1040970
				Cable, 3-wire, 5 m	IME18-08BPOZC0SS12	1051973	
					Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 1 m	IME18-08BPSZU1SS37	1135559
				NO	Cable, 3-wire, 2 m	IME18-08BPSZW2S	1040968
						Cable, 3-wire, 5 m	IME18-08BPSZW5S
					Male connector M12, 4-pin	IME18-08BPSZC0S	1040966
						IME18-08BPSZC0SS11	1051972
		Short-body	NPN	NC	Cable, 3-wire, 2 m	IME18-08BNOZW2K	1040979
					Male connector M12, 4-pin	IME18-08BNOZC0K	1040977
				NO	Cable, 3-wire, 2 m	IME18-08BNSZW2K	1040975
					Cable, 3-wire, 3 m	IME18-08BNSZW3K	1054020
				Male connector M12, 4-pin	IME18-08BNSZC0K	1040973	
			PNP	NC	Cable with M12 male connector, 4-pin, 0.3 m	IME18-08BPOZQ9K	1084644
						Cable, 3-wire, 2 m	IME18-08BPOZW2K
					Cable, 3-wire, 3 m	IME18-08BPOZW3K	1054086
					Cable, 3-wire, 5 m	IME18-08BPOZW5K	1044534
					Male connector M12, 4-pin	IME18-08BPOZC0K	1040969
				NO	Cable with M12 male connector, 4-pin, 300 mm	IME18-08BPSZQ9KS25	1081180
	Cable, 3-wire, 2 m	IME18-08BPSZW2K				1040967	
	Cable, 3-wire, 3 m	IME18-08BPSZW3K			1054018		
	Cable, 3-wire, 5 m	IME18-08BPSZW5K			1122599		
	Male connector M12, 4-pin	IME18-08BPSZC0K			1040965		
		IME18-08BPSZC0KS22	1068857				

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary

Sensing range S_n	Housing	Connection type	Type	Part no.
5 mm	Standard design	Male connector M12, 4-pin	IME18-05BPPZC0S	1046743
	Short-body	Male connector M12, 4-pin	IME18-05BPPZC0K	1092476
8 mm	Standard design	Cable, 4-wire, 15 m	IME18-08BPPZWDSS21	1067897
		Male connector M12, 4-pin	IME18-08BPPZC0S	1056708
	Short-body	Male connector M12, 4-pin	IME18-08BPPZC0K	1089009

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
12 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME18-12NNOZW2S	1040996
					Male connector M12, 4-pin	IME18-12NNOZCOS	1040994
			NO	-	Cable, 3-wire, 2 m	IME18-12NNSZW2S	1040992
					Male connector M12, 4-pin	IME18-12NNSZCOS	1040990
		PNP	NC	-	Cable, 3-wire, 2 m	IME18-12NPOZW2S	1040988
					Male connector M12, 4-pin	IME18-12NPOZCOS	1040986
			NO	-	Cable, 3-wire, 2 m	IME18-12NPSVW2S	1065020
					Cable, 3-wire, 5 m	IME18-12NPSZW5S	1048365
	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME18-12NNOZW2K	1040995
					Male connector M12, 4-pin	IME18-12NNOZC0K	1040993
			NO	-	Cable, 3-wire, 2 m	IME18-12NNSZW2K	1040991
					Male connector M12, 4-pin	IME18-12NNSZC0K	1040989
		PNP	NC	-	Cable, 3-wire, 2 m	IME18-12NPOZW2K	1040987
					Male connector M12, 4-pin	IME18-12NPOZC0K	1040985
			NO	-	Cable, 3-wire, 2 m	IME18-12NPSZW2K	1040983
					Male connector M12, 4-pin	IME18-12NPSZC0K	1040981

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
20 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNOZW2S	1071276	
					Male connector M12, 4-pin	IME18-20NNOZC0S	1071280	
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNSZW2S	1071275	
					Male connector M12, 4-pin	IME18-20NNSZC0S	1071279	
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPOZW2S	1071274	
					Male connector M12, 4-pin	IME18-20NPOZC0S	1071278	
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPSZW2S	1071273	
					Male connector M12, 4-pin	IME18-20NPSZC0S	1071277	
		Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNOZW2K	1071268
						Male connector M12, 4-pin	IME18-20NNOZC0K	1071272
				NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNSZW2K	1071267
						Male connector M12, 4-pin	IME18-20NNSZC0K	1071271
	PNP		NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPOZW2K	1071265	
					Male connector M12, 4-pin	IME18-20NPOZC0K	1071270	
	NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPSZW2K	1071264			
			Cable, 3-wire, 5 m	IME18-20NPSZW5K	1101098			
Male connector M12, 4-pin			IME18-20NPSZC0K	1071269				
8 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME18-08NNOZW2S	1040964	

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
			NO	-	Male connector M12, 4-pin	IME18-08NNOZC0S	1040962	
					Cable, 3-wire, 2 m	IME18-08NNSZW2S	1040960	
					Cable, 3-wire, 6 m	IME18-08NNSZWDSS06	1044601	
					Male connector M12, 4-pin	IME18-08NNSZC0S	1040958	
		PNP	NC	-	Cable, 3-wire, 2 m	IME18-08NPOZW2S	1040956	
					Cable, 3-wire, 5 m	IME18-08NPOZW5S	1049098	
					Male connector M12, 4-pin	IME18-08NPOZC0S	1040954	
			NO	-	Cable, 3-wire, 2 m	IME18-08NPSZW2S	1040952	
					Cable, 3-wire, 5 m	IME18-08NPSZW5S	1046875	
					Connector M8, 3-pin	IME18-08NPSZT0S	1068737	
		Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME18-08NNOZW2K	1040963
						Male connector M12, 4-pin	IME18-08NNOZC0K	1040961
						NO	-	Cable, 3-wire, 2 m
			Male connector M12, 4-pin	IME18-08NNSZC0K	1040957			
	PNP		NC	-	Cable, 3-wire, 2 m	IME18-08NPOZW2K	1040955	
					Male connector M12, 4-pin	IME18-08NPOZC0K	1040953	
		NO	-	Cable, 3-wire, 2 m	IME18-08NPSZW2K	1040951		
	Cable, 3-wire, 5 m	IME18-08NPSZW5K		1042723				
	Male connector M12, 4-pin	IME18-08NPSZC0K		1040949				

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary
- **Connection type:** male connector M12, 4-pin

Sensing range S_n	Housing	Special features	Type	Part no.
12 mm	Standard design	-	IME18-12NPPZCOS	1044127
20 mm	Short-body	Triple sensing range	IME18-20NPPZCOK	1096266
8 mm	Standard design	-	IME18-08NPPZCOS	1046894

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire
- **Sensing range S_n :** 12 mm

Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNOZW2S	1071259
				Male connector M12, 4-pin	IME18-12BNOZCOS	1071263
		NO		Cable, 3-wire, 2 m	IME18-12BNSZW2S	1071258
				Male connector M12, 4-pin	IME18-12BNSZCOS	1071262
	PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPOZW2S	1071257
				Male connector M12, 4-pin	IME18-12BPOZCOS	1071261
		NO		IME18-12BPOZC0SS38	1138457	
				Cable, 3-wire, 2 m	IME18-12BPSZW2S	1071256
Male connector M12, 4-pin	IME18-12BPSZCOS	1071260				

Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNOZW2K	1071249	
				Male connector M12, 4-pin	IME18-12BNOZC0K	1071255	
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNSZW2K	1071248	
				Cable with AMP male connector, 3-pin, 0.99 m	IME18-12BNSZUDKS28	1087502	
				Male connector M12, 4-pin	IME18-12BNSZC0K	1071254	
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPOZW2K	1071247
	Male connector M12, 4-pin				IME18-12BPOZC0K	1071253	
	NO		-	Cable with M12 male connector, 4-pin, 0.3 m	IME18-12BPSZQ9KS24	1081179	
				Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPSZW2K	1071246
					Cable, 3-wire, 3 m	IME18-12BPSZW3K	1092617
					Cable, 3-wire, 5 m	IME18-12BPSZW5K	1088038
					Cable, 3-wire, 7 m	IME18-12BPSZWDK	1095534
					Male connector M12, 4-pin	IME18-12BPSZC0K	1071252

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 8 mm

Housing	Output function	Connection type	Type	Part no.
Standard design	NC	Cable, 2-wire, 2 m	IME18-08BD0ZY2S	1068258
		Male connector M12, 4-pin	IME18-08BD0ZC0S	1067206
	NO	Cable with M12 male connector, 4-pin, 0.3 m	IME18-08BDSZQ9S	1068719
		Cable, 2-wire, 2 m	IME18-08BDSZY2S	1068259
		Male connector M12, 4-pin	IME18-08BDSZC0S	1067207
	Short-body	NC	Cable, 2-wire, 2 m	IME18-08BD0ZY2K
NO		Cable, 2-wire, 2 m	IME18-08BDSZY2K	1072277

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 12 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME18-12ND0ZY2S	1068260
	Male connector M12, 4-pin	IME18-12ND0ZC0S	1067222
NO	Cable, 2-wire, 2 m	IME18-12NDSZY2S	1068261
	Male connector M12, 4-pin	IME18-12NDSZC0S	1067181

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.	
10 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME30-10BNOZW2S	1041012	
				Male connector M12, 4-pin	IME30-10BNOZC0S	1041009	
			NO	Cable, 3-wire, 2 m	IME30-10BNSZW2S	1041008	
				Cable, 3-wire, 6 m	IME30-10BNSZWDSS06	1044604	
				Male connector M12, 4-pin	IME30-10BNSZC0S	1041006	
				PNP	NC	Cable, 3-wire, 2 m	IME30-10BPOZW2S
		Male connector M12, 4-pin	IME30-10BPOZC0S			1041002	
		NO	NC	Cable, 3-wire, 2 m	IME30-10BPSZW2S	1041000	
				Male connector M12, 4-pin	IME30-10BPSZC0S	1040998	
			NPN	NC	Cable, 3-wire, 2 m	IME30-10BNOZW2K	1041011
					Male connector M12, 4-pin	IME30-10BNOZC0K	1041010
		NO	NPN	NC	Cable, 3-wire, 2 m	IME30-10BNSZW2K	1041007
	Male connector M12, 4-pin				IME30-10BNSZC0K	1041005	
	PNP		NC	Cable, 3-wire, 2 m	IME30-10BPOZW2K	1041003	
				Male connector M12, 4-pin	IME30-10BPOZC0K	1041001	
	NO		NPN	NC	Cable, 3-wire, 10 m	IME30-10BPSZW6K	1047654
					Cable, 3-wire, 2 m	IME30-10BPSZW2K	1040999
		PNP	NC	Cable, 3-wire, 5 m	IME30-10BPSZW5K	1042720	
				Male connector M12, 4-pin	IME30-10BPSZC0K	1040997	
	12 mm	Standard design	PNP	NC	Male connector M12, 4-pin	IME30-12BPOZC0SS14	1051974
15 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME30-15BNOZW2S	1041044	
				Male connector M12, 4-pin	IME30-15BNOZC0S	1041042	
		NO	Cable, 3-wire, 2 m	IME30-15BNSZW2S	1041040		

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.	
				Cable, 3-wire, 5 m	IME30-15BNSZW5S	1044614	
				Male connector M12, 4-pin	IME30-15BNSZC0S	1041038	
		PNP	NC	Cable, 3-wire, 2 m	IME30-15BPOZU2SS40	1104694	
				Male connector M12, 4-pin	IME30-15BPOZW2S	1041036	
			NO	Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 2 m	IME30-15BPSZU2SS45	1135561	
				Cable, 3-wire, 2 m	IME30-15BPSZW2S	1041032	
		Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-15BNOZW2K	1041043
					Male connector M12, 4-pin	IME30-15BNOZC0K	1041041
				NO	Cable, 3-wire, 2 m	IME30-15BNSZW2K	1041039
					Male connector M12, 4-pin	IME30-15BNSZC0K	1041037
	PNP		NC	Cable, 3-wire, 2 m	IME30-15BPOZU2KS43	1122818	
				Male connector M12, 4-pin	IME30-15BPOZW2K	1041035	
				Male connector M12, 4-pin	IME30-15BPOZC0K	1041033	
			NO	Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 2 m	IME30-15BPSZU2KS44	1135560	
				Cable, 3-wire, 0.1 m	IME30-15BPSZW7K	1116265	
				Cable, 3-wire, 2 m	IME30-15BPSZW2K	1041031	
				Male connector M12, 4-pin	IME30-15BPSZC0K	1041029	
					IME30-15BPSZC0KS34	1098582	

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
15 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME30-15NNOZW2S	1041028
					Male connector M12, 4-pin	IME30-15NNOZC0S	1041026

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
			NO	-	Cable, 3-wire, 2 m	IME30-15NNSZW2S	1041024	
					Cable, 3-wire, 6 m	IME30-15NNSZWDSS07	1044605	
					Male connector M12, 4-pin	IME30-15NNSZC0S	1041022	
		PNP	NC	-	Cable, 3-wire, 2 m	IME30-15NPOZW2S	1041020	
					Cable, 3-wire, 5 m	IME30-15NPOZW5S	1049100	
					Male connector M12, 4-pin	IME30-15NPOZC0S	1041018	
			NO	-	Cable, 3-wire, 10 m	IME30-15NPSZW6S	1042633	
					Cable, 3-wire, 2 m	IME30-15NPSZW2S	1041016	
					Cable, 3-wire, 5 m	IME30-15NPSZW5S	1043386	
			-	Cable with Phoenix MC1 male connector, 5/3ST-3, 81, 3-pin, 5 m	IME30-15NPSZW5SS17	1054335		
				Male connector M12, 4-pin	IME30-15NPSZC0S	1041014		
		Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME30-15NNOZW2K	1041027
						Male connector M12, 4-pin	IME30-15NNOZC0K	1041025
	NO			-	Cable, 3-wire, 2 m	IME30-15NNSZW2K	1041023	
					Male connector M12, 4-pin	IME30-15NNSZC0K	1041021	
	PNP		NC	-	Cable, 3-wire, 2 m	IME30-15NPOZW2K	1041019	
					Male connector M12, 4-pin	IME30-15NPOZC0K	1041017	
			NO	-	Cable, 3-wire, 2 m	IME30-15NPSZW2K	1041015	
					Cable, 3-wire, 5 m	IME30-15NPSZW5K	1042721	
					Male connector M12, 4-pin	IME30-15NPSZC0K	1041013	

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
20 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME30-20NNOZW2S	1041060
					Cable, 3-wire, 5 m	IME30-20NNOZW5S	1046514
					Male connector M12, 4-pin	IME30-20NNOZC0S	1041058
			NO		Cable, 3-wire, 2 m	IME30-20NNSZW2S	1041056
					Cable, 3-wire, 5 m	IME30-20NNSZW5S	1046515
					Male connector M12, 4-pin	IME30-20NNSZC0S	1041054
		PNP	NC	-	Cable, 3-wire, 2 m	IME30-20NPOZW2S	1041052
					Male connector M12, 4-pin	IME30-20NPOZC0S	1041050
			NO		Cable, 3-wire, 2 m	IME30-20NPSZW2S	1041048
					Cable, 3-wire, 5 m	IME30-20NPSZW5S	1092691
					Male connector M12, 4-pin	IME30-20NPSZC0S	1041046
	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME30-20NNOZW2K	1041059
					Male connector M12, 4-pin	IME30-20NNOZC0K	1041057
			NO		Cable, 3-wire, 2 m	IME30-20NNSZW2K	1041055
					Male connector M12, 4-pin	IME30-20NNSZC0K	1041053
		PNP	NC		Cable, 3-wire, 2 m	IME30-20NPOZW2K	1041051
					Male connector M12, 4-pin	IME30-20NPOZC0K	1041049
NO	-	Cable, 3-wire, 2 m	IME30-20NPSZW2K	1041047			
		Male connector M12, 4-pin	IME30-20NPSZC0K	1041045			

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
38 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNOZW2S	1071308
					Male connector M12, 4-pin	IME30-38NNOZCOS	1071312
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNSZW2S	1071307	
				Male connector M12, 4-pin	IME30-38NNSZCOS	1071311	
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPOZW2S	1071306
					Male connector M12, 4-pin	IME30-38NPOZCOS	1071310
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPSZW2S	1071305	
				Male connector M12, 4-pin	IME30-38NPSZCOS	1071309	
	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNOZW2K	1071299
					Male connector M12, 4-pin	IME30-38NNOZCOK	1071304
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNSZW2K	1071298
					Male connector M12, 4-pin	IME30-38NNSZCOK	1071303
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPOZW2K	1071297
					Male connector M12, 4-pin	IME30-38NPOZCOK	1071302
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPSZW2K	1071300
					Male connector M12, 4-pin	IME30-38NPSZCOK	1071301

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary

Sensing range S_n	Housing	Connection type	Type	Part no.
10 mm	Standard design	Cable, 4-wire, 15 m	IME30-10BPPZUDSS27	1073189
15 mm	Standard design	Cable, 4-wire, 15 m	IME30-15BPPZUDSS28	1073996
		Male connector M12, 4-pin	IME30-15BPPZC0S	1063923
	Short-body	Cable, 4-wire, 2 m	IME30-15BPPZW2K	1057551

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire
- **Special features:** triple sensing range

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
20 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME30-20BNOZW2S	1071292
				Male connector M12, 4-pin	IME30-20BNOZC0S	1071296
			NO	Cable, 3-wire, 2 m	IME30-20BNSZW2S	1071291
				Male connector M12, 4-pin	IME30-20BNSZC0S	1071295
		PNP	NC	Cable, 3-wire, 2 m	IME30-20BPOZW2S	1071290
				Male connector M12, 4-pin	IME30-20BPOZC0S	1071294
			NO	Cable, 3-wire, 2 m	IME30-20BPSZW2S	1071289
				Male connector M12, 4-pin	IME30-20BPSZC0S	1071293
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-20BNOZW2K	1071284
				Male connector M12, 4-pin	IME30-20BNOZC0K	1071288
			NO	Cable, 3-wire, 2 m	IME30-20BNSZW2K	1071283
				Male connector M12, 4-pin	IME30-20BNSZC0K	1071287
		PNP	NC	Cable, 3-wire, 2 m	IME30-20BPOZW2K	1071282
				Male connector M12, 4-pin	IME30-20BPOZC0K	1071286
NO	NO	Cable, 3-wire, 2 m	IME30-20BPSZW2K	1071281		
		Male connector M12, 4-pin	IME30-20BPSZC0K	1071285		
22 mm	Standard design	PNP	NO	Cable, 3-wire, 2 m	IME30-22BPSZW2SS42	1108099

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 15 mm

Housing	Output function	Connection type	Type	Part no.
Standard design	NC	Cable, 2-wire, 2 m	IME30-15BDOZY2S	1068263
		Male connector M12, 4-pin	IME30-15BDOZC0S	1067226
	NO	Cable, 2-wire, 2 m	IME30-15BDSZY2S	1068264
		Male connector M12, 4-pin	IME30-15BDSZC0S	1067183
Short-body	NO	Cable, 2-wire, 2 m	IME30-15BDSZY2K	1072343

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 20 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME30-20NDOZY2S	1068266
	Male connector M12, 4-pin	IME30-20NDOZC0S	1067235
NO	Cable, 2-wire, 2 m	IME30-20NDSZY2S	1068267
	Male connector M12, 4-pin	IME30-20NDSZC0S	1067184

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